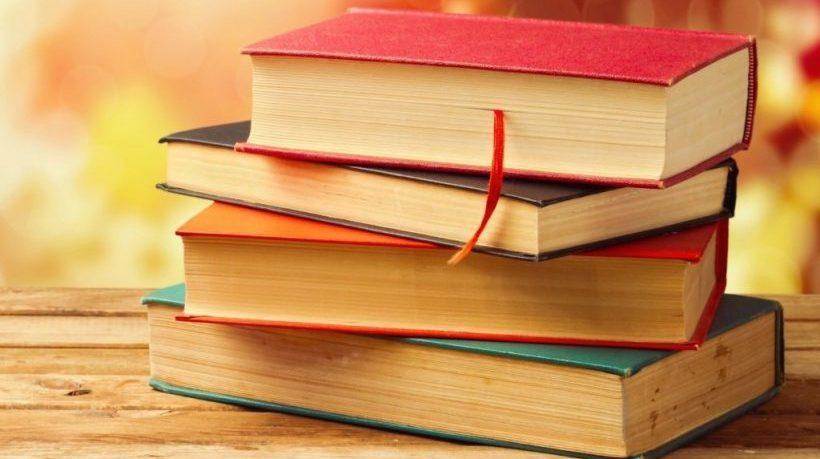
**PROJECT REPORT**

**MY BOOKS APP**

Prepared By

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**Overview**

This project is an application which can search books and add books to favourites. It will have a login and register page and user will be able to search books once he/she is logged in. User can also edit his/her account details in my profile page.

**Features**

**Existing Features :**

* Register user feature.
* Login user feature.
* User can search books by title, author and by both.
* Add books to favourites.
* Delete books from favourites.

**Features To Be Added :**

* Creating a my-profile pagewhere user can edit his/her account details.
* Asking for a profile picture when registering an user and display the same when user is logged in.

**Different Modules and Components of UI**

**Modules :**

1. App Module
2. App Routing Module
3. Authentication Module
4. Book Module

**Services:**

1. Authentication Service
2. Books Service
3. Token Interceptor Service
4. Auth-Guard Service

**Components :**

1. App Component
2. Login Component
3. Register Component
4. Container Component
5. Dashboard Component
6. Favourite Component
7. My-Profile Component
8. Thumbnail Component

**Different Components and Layers of Backend**

**User Service**

1. User Service Spring Boot Application
   1. Swagger Configuration
   2. User Service Application
2. Authentication Controller
3. User Domain Class
4. Exceptions
   1. User Already Exists Exception
   2. User Not Found Exception
5. Authentication Repository
6. Service
   1. Authentication Service
   2. Token Generator Service

**Favourite Service**

1. Favourite Service Spring Boot Application
   1. Swagger Configuration
   2. Favourite Service Application
2. JWT Filter (spring security)
3. Book Controller
4. Book Domain Class
5. Exceptions
   1. Book Already Exists Exception
   2. Book Not Found Exception
6. Book Repository
7. Book Service

**Technologies That Are Used In Development**

* Angular – for front end development
* Node JS
* Spring – for backend development
* MySQL – for database

**Technologies That Are Used For Testing**

* Junit & Mockito
* Testng & Restassured
* Postman
* Protractor
* Selenium POM – Cucumber

**References**

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